

Ship latest Thurs 19/08

Work Order ID 61293



Page 1

August 13, 2010 10:26:50 AM

Item ID: D350-607-041A

Accept



Setup Start



Revision ID:

Item Name: Heli-Utility-Basket (Automatic Lid Opener)

Stop



Start Date: 8/13/10 Start Qty: 1.00

Cust Item ID:

Required Date: 8/17/10 Req'd Qty: 1.00

Customer:

Reference:

Approvals: Process Plan: *W*

Date:

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr

Revision Nbr

D350-607-1

A

100

0.00



DC

DOCUMENT CONTROL

Memo

0.00

Document Control

Photocopy bluefile & type labels per PPPD350-607-041A  
CHG001

*See 10/8/10*

*After CL 10/08/10*

110

0.00



Packaging

Pick Kit

Memo

0.00

Packaging

*EP 10/08/10 @*

120

0.00



Small Fab

Small Fab

Memo

0.00

Small Fab

Assemble as per Dwg D350-607 / DSI 9473  
Seal support gusset seam with white sikaflex-291  
Batch: *113 519*  
Expiry date: *12/9/23*

*EP 10/08/10 @*

# Work Order ID 61293

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Item ID: D350-607-041A

Accept



Setup Start



Revision ID:

Stop



Item Name: Heli-Utility-Basket (Automatic Lid Opener)

Start Date: 8/13/10 Start Qty: 1.00



Cust Item ID:

Required Date: 8/17/10 Req'd Qty: 1.00



Customer:

Reference:

Run Start



Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Stop



QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

130

QC5- Inspect part completeness to step on W/O

0.00

8/10/2010



QC

Memo

0.00



Quality Control

\*\*\*\*\*Ensure label for weight capacity is correct\*\*\*\*\*

140

Pick Kit

0.00



Packaging

Memo

0.00

10/8/19SL

Packaging

150

QC4- 100% Inspect kits for completeness

0.00



QC

Memo

0.00

8/10/2010



Quality Control

# Work Order ID 61293



Page 3

August 13, 2010 10:26:56 AM

Item ID: D350-607-041A

Accept



Setup Start



Revision ID:

Stop



Item Name: Heli-Utility-Basket (Automatic Lid Opener)

Start Date: 8/13/10 Start Qty: 1.00



Cust Item ID:

Required Date: 8/17/10 Req'd Qty: 1.00



Customer:

Reference:

Run Start



Approvals: Process Plan: Date: Tooling: Date:

Stop



QC: Date: SPC (Y/N): Date:

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

160

0.00



Packaging

*draft*

10/8/19

*sf*

Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP D350-607-041A  
Location: BK

170

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

10/08/19 *MF*

*MF*






10-8-19

August 13, 2010 10:26:27 AM

**Parent Item Name:** Heli-Utility-Basket (Automatic Lid Opener)

**Required Qty: 1.00**

IPP RevB: as  
IPP Rev:C as per ecn10-

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D350-607-241  Basket Clamp Assembly	CHG001	Manufactured	No			140	Each	1.0000	1	1		B59212 10/1/19	
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				FG022		1							
					59212	1							
D2022-101  Spacer		Manufactured	No			110	Each	92.0000	2	2		EP 10/08/19	
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST504		92							
					50746	28							
					52325	64							
D2221  350 Basket Base		Manufactured	No			110	Each	0.0000	1	1		EP 10/08/19	
						B57168 (K)							
D2258-200  Placard 200lb		Manufactured	No			110	Each	4.0000	1	1		EP 10/08/19	
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST505		4							
					60135	4							
D2512  Basket Lid 205/350		Manufactured	No			110	Each	0.0000	1	1		EP 10/08/19	
						B57170 (K)							

# Picklist Print

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Work Order ID: 61293

Parent Item: D350-607-041A

Parent Item Name: Heli-Utility-Basket (Automatic Lid Opener)

Start Date: 8/13/10

Required Date: 8/17/10

Start Qty: 1.00

Required Qty: 1.00

D2530 Manufactured No

110 Each

9.0000

1



Handle Weldment

Location

Loc Qty

Loc Code

ST506

9

60206

9

D2535 Manufactured No

110 Each

86.0000

2



Spring

Location

Loc Qty

Loc Code

ST504

86

58331

86

D2537 Manufactured No

110 Each

37.0000

2



Bushing

Location

Loc Qty

Loc Code

ST504

37

58429

3

59122

20

59423

14

D2931 Manufactured No

110 Each

798.0000

2



Bumper

Location

Loc Qty

Loc Code

ST504

798

46064

798

1  
Ep 8/10/08/19

2  
Ep 8/10/08/19

2  
Ep 8/10/08/19

2  
Ep 8/10/08/19

August 13, 2010 10:26:27 AM

Shop Packet Print

Page 2

# Picklist Print

August 13, 2010 10:26:44 AM

Page 3

Work Order ID: 61293



Parent Item: D350-607-041A



Parent Item Name: Heli-Utility-Basket (Automatic Lid Opener)

Start Date: 8/13/10

Required Date: 8/17/10

Start Qty: 1.00

Required Qty: 1.00

D350-607-141

Manufactured No

110 Each

1.0000

1



Automatic Lid Opener Installation

Location

Loc Qty

Loc Code

FG032

1

52753

1



Ep 8/10/08/10  
B61323 (K)

AN3-16A

Purchased No

110 Each

112.0000

2



Bolt

Location

Loc Qty

Loc Code

ST352

112

114523

12

114752

100



Ep 8/10/08/10

AN4-7A

Purchased No

110 Each

196.0000

2



Bolt

Location

Loc Qty

Loc Code

ST356

196

113226

146

115373

50



Ep 8/10/08/10

AN5-17A

Purchased No

110 Each

82.0000

4



Bolt

Location

Loc Qty

Loc Code

ST339

82

114330

36

114784

46



Ep 8/10/08/10

August 13, 2010 10:26:44 AM

Shop Packet Print

Page 3

# Picklist Print

August 13, 2010 10:26:44 AM

Page 4

Work Order ID: 61293

Parent Item: D350-607-041A

Parent Item Name: Heli-Utility-Basket (Automatic Lid Opener)

Start Date: 8/13/10

Required Date: 8/17/10

Start Qty: 1.00

Required Qty: 1.00

MS20600-AD4W3 Purchased No

110 Each 1,583.000 2



Cherry Rivets

2  
Ep 8/10/08/19

Location

Loc Qty

Loc Code

ST321

1583

106375

1

107939

822

111636

760

2

AN960JD416 NAS1149D0463J Purchased No

110 Each 0.0000 2



Washer

4 M115000 (2x)

2  
Ep 8/10/08/19

AN960JD516 NAS1149D0563J Purchased No

110 Each 34.0000 4



Washer

4 M114742 (4x)

4  
Ep 8/10/08/19

Location

Loc Qty

Loc Code

ST

34

103694

18

107534

12

109287

4

AN960JD8 NAS1149DN832 Purchased No

110 Each 0.0000 2



Washer

4 M115300 (2x)

2  
Ep 8/10/08/19

MS21042L3 Purchased No

110 Each 2,414.000 10



Nut

10  
Ep 8/10/08/19

Location

Loc Qty

Loc Code

ST300

2414

114523

115

114718

299

114784

2000

2

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Shop Packet Print

Page 4

# Picklist Print

August 13, 2010 10:26:50 AM

Page 5

Work Order ID: 61293



Parent Item: D350-607-041A



Parent Item Name: Heli-Utility-Basket (Automatic Lid Opener)

Start Date: 8/13/10

Required Date: 8/17/10

Start Qty: 1.00

Required Qty: 1.00

MS21042L4

Purchased

No

110

Each

3,165.000

2

2



Nut



*EP 5/10/08/19*

Location

Loc Qty

Loc Code

ST300

3165

113422

68

114523

28

114718

16

114784

1053

115108

2000

*2*

MS21042L5

Purchased

No

110

Each

734.0000

4

4



Nut



*EP 5/10/08/19*

Location

Loc Qty

Loc Code

ST139

234

114813

234

ST300

500

115156

500

*4*

August 13, 2010 10:26:50 AM

Shop Packet Print

Page 5



# DART SERVICE INSTRUCTION

TO AMEND DRAWING D350-607 REV. F OR SUBSEQUENT APPROVED REVISION

REF CANADIAN STC: SH94-14

FAA STC: SR00213NY

EASA STC: EASA.IM.R.S.01405

THE PURPOSE OF THIS DART SERVICE INSTRUCTION (DSI), IS TO PROVIDE OPERATORS OF AS350 / 355 ROTORCRAFT EQUIPPED WITH DART D350-607-041 HELI UTILITY BASKETS WITH AN UPGRADE KIT TO REPLACE THE EXISTING LID PROP ARM WITH 2 GAS SPRINGS.

FOR OPERATORS EQUIPPED WITH D350-607-043/-045/-047 HELI UTILITY BASKETS THIS DSI WILL PROVIDE AN UPGRADE KIT TO REPLACE THE EXISTING LID PROP ARM WITH 1 GAS SPRING.

ITEM No.	QTY -141	QTY -143	QTY -145	PART NUMBER	DESCRIPTION
1	X			D350-607-141	AUTOMATIC LID OPENER INSTL (FOR USE ON -041 BASKET*)
2		X		D350-607-143	AUTOMATIC LID OPENER INSTL (FOR USE ON -043/-047 BASKET*)
3			X	D350-607-145	AUTOMATIC LID OPENER INSTL (FOR USE ON -045 BASKET*)
4	2		1	D3953-1	GAS SPRING BRACKET
5	2	1	1	D3953-3	GAS SPRING STUD (LID)
6	2	1	1	D3953-5	GAS SPRING STUD (BASE)
7	2	1	1	D3953-7	GAS SPRING SPACER
8	4	2	2	D3953-9	GAS SPRING WASHER
9	2	1	1	D3953-11	GAS SPRING SPACER
10	2		1	D3953-13	GAS SPRING SPACER
11		1		D3953-15	GAS SPRING BRACKET
12		1		D3953-17	GAS SPRING SPACER
13	2	1	1	D3969-1	GAS SPRING
14	4	2	2	AN3C11A	BOLT
15		2		AN3C15A	BOLT
18	4		2	AN3C16A	BOLT
19	4	2	2	AN310-4	CASTELLATED NUT
20	8	4	4	MS21043-3	NUT
21	4	2	2	MS24665-212	COTTER PIN
22	8	4	4	NAS1149C0332R	WASHER (OR AN960C10L)
23	4	2	2	NAS1149C0432R	WASHER (OR AN960C416L)

**\*NOTE:** FOR CUSTOMERS WISHING TO ORDER NEW BASKETS WITH THE LID OPENER PRE-INSTALLED USE THE FOLLOWING NUMBERS:

D350-607-041 BASKET WITH AUTOMATIC LID OPENER INSTALLED = D350-607-041A  
D350-607-043 BASKET WITH AUTOMATIC LID OPENER INSTALLED = D350-607-043A  
D350-607-045 BASKET WITH AUTOMATIC LID OPENER INSTALLED = D350-607-045A  
D350-607-047 BASKET WITH AUTOMATIC LID OPENER INSTALLED = D350-607-047A

albo  
61293

C	SHEET 1 PL, -143 INSTL, ITEM 6 QTY WAS 2, ITEM 7 WAS 0.	AJS	09.11.11
B	SHT 1 P/L ITEM 22 WAS NAS1149C0332 ITEM 23 WAS NAS1149C0432H. ALL OTHER SHEETS UPDATED ACCORDINGLY. (REASON: DRAFTING ERROR) INSTALLATIONS RENAMED.	AJS	09.11.06
A	NEW ISSUE	AJS	09.09.15
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS	<b>DART AEROSPACE LTD</b>	
DRAWN	AJS	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. C
MFG. APPR.	N/A	DSI 9473	SHEET 1 OF 8
APPROVED		TITLE	SCALE
DE APPR.		AUTOMATIC LID OPENER INSTL	NTS
DATE	09.11.11	COPYRIGHT © 2009 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

APPROVED

BY:   
D. SHEPHERD (DE # 02)

DATE: 09.11.11  
CERT. NO.: SH94-14  
ISSUE NO.: 4

FOR D350-607-041 BASKETS, REPLACE THE EXISTING D2332-041 PROP ARM AS FOLLOWS:

### **D350-607-141 AUTOMATIC LID OPENER INSTALLATION**

**NOTE:** ONCE THIS MODIFICATION IS COMPLETE YOU WILL NOT BE ABLE TO RE-INSTALL THE D2332-041 PROP ARM.

- 1) REMOVE THE D2332-041 PROP ARM.
- 2) GRIND FLUSH THE D2327-3 SPACER BUSHING ON BOTH ENDS OF THE BASKET AS SHOWN IN FIGURE 1 (IT IS PERMISSIBLE TO GRIND ALL 4 SPACERS FLUSH). TOUCH UP PAINT PER ICA-D350-607 REV. 0 SECTION 5.1 ITEM 4.
- 3) LOCATE THE D3953-1 GAS SPRING BRACKET AS SHOWN IN FIGURE 1. TRIM STEEL MESH LOCALLY AS REQUIRED. TOUCH UP PAINT PER ICA-D350-607 REV. 0 SECTION 5.1 ITEM 4. TRANSFER MARK AND DRILL 2X Ø0.194 HOLES THRU THE BASKET LID SQUARE TUBE STRUCTURE AS SHOWN IN DETAIL A. INSTALL THE D3953-1 GAS SPRING BRACKET & D3953-13 GAS SPRING SPACER USING 2X AN3C16A BOLT, 2X NAS1149C0332R WASHER & 2X MS21043-3 NUT AS SHOWN IN VIEW E-E.
- 4) LOCATE THE D3953-5 GAS SPRING STUD AS SHOWN IN FIGURE 1. TRIM STEEL MESH LOCALLY AS REQUIRED. TOUCH UP PAINT PER ICA-D350-607 REV. 0 SECTION 5.1 ITEM 4. TRANSFER MARK AND DRILL 2X Ø0.194 HOLES THRU THE BASKET BASE SQUARE TUBE STRUCTURE AS SHOWN IN DETAIL B. FASTEN D3953-5 IAW VIEW F-F USING 2X AN3C11A BOLT, 2X NAS1149C0332R WASHER & 2X MS21043-3 NUT.
- 5) INSTALL 1X D3953-11 GAS SPRING SPACER ONTO THE D3953-5 STUD AS SHOWN IN VIEW F-F. INSTALL THE LARGE END OF THE D3969-1 GAS SPRING SPRING ONTO THE D3953-5 GAS SPRING STUD AND FASTEN IN PLACE USING 1X D3953-9 GAS SPRING WASHER, 1X NAS1149C0432R WASHER, 1X AN310-4 CASTELATTED NUT & 1X MS24665-212 COTTER PIN AS SHOWN IN VIEW F-F. INSTALL COTTER PIN PER MS33540 OR AC43.13 CHAPTER 7-127.
- 6) INSERT THE D3953-3 GAS SPRING STUD INTO THE D3953-1 GAS SPRING BRACKET & INSERT THE D3953-7 GAS SPRING SPACER ONTO THE D3953-3 GAS SPRING AS SHOWN IN VIEW E-E. RAISE THE BASKET LID AND INSTALL THE ROD END OF THE D3969-1 GAS SPRING ONTO THE D3953-3 GAS SPRING STUD USING 1X D3953-9 GAS SPRING WASHER, 1X NAS1149C0432R WASHER, 1X AN310-4 CASTELATTED NUT & 1X MS24665-212 COTTER PIN AS SHOWN IN VIEW E-E. INSTALL COTTER PIN PER MS33540 OR AC43.13 CHAPTER 7-127.

**NOTE:** THE D3953-3 GAS SPRING STUD CAN BE HELD IN PLACE WITH A  $\frac{9}{16}$  OPEN END SPANNER / WRENCH.

**NOTE:** WITH THE LID IN THE CLOSED POSITION THE GAS SPRING SHOULD NOT BE FULLY COMPRESSED.

- 7) REPEAT STEPS 2 THROUGH 6 AT THE OTHER END OF THE BASKET.
- 8) TEST THE INSTALLATION. IF INSTALLED PROPERLY THE GAS SPRINGS SHOULD ASSIST THE BASKET USER IN BOTH OPENING AND CLOSING THE BASKET LID.

*W/O 6/29/13*

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

APPROVED

BY: *[Signature]*  
D. SHEPHERD (DE # 02)

DATE: 09.11.11  
CERT. NO.: SH94-14  
ISSUE NO.: 4

DESIGN	AJS	<b>DART AEROSPACE LTD</b>	
DRAWN	AJS	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. C
MFG. APPR.	N/A	DSI 9473	SHEET 2 OF 8
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	AUTOMATIC LID OPENER INSTL	NTS
DATE 09.11.11		COPYRIGHT © 2009 BY DART AEROSPACE LTD <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

FOR D350-607-043/-047 BASKETS REPLACE THE EXISTING D2332-041 PROP ARM ASSEMBLY AS FOLLOWS:

### **D350-607-143 AUTOMATIC LID OPENER INSTALLATION**

**NOTE:** THIS KIT MAY BE INSTALLED AT EITHER END OF THE BASKET. HOWEVER, THE PROP ARM MUST BE REMOVED IN EITHER CASE AS IT WILL INTERFERE WITH THE FUNCTION OF THE GAS SPRING.




- 1) REMOVE THE D2332-041 PROP ARM.
  - 2) GRIND FLUSH THE D2327-3 SPACER BUSHING ON THE END OF THE BASKET WHERE THE LID OPENER IS BE INSTALLED AS SHOWN IN FIGURE 2 (IT IS PERMISSIBLE TO GRIND ALL 4 SPACERS FLUSH). TOUCH UP PAINT PER ICA-D350-607 REV. 0 SECTION 5.1 ITEM 4.
  - 3) LOCATE THE D3953-15 GAS SPRING BRACKET AS SHOWN IN FIGURE 2. TRIM STEEL MESH LOCALLY AS REQUIRED. TOUCH UP PAINT PER ICA-D350-607 REV. 0 SECTION 5.1 ITEM 4. TRANSFER MARK AND DRILL 2X Ø0.194 HOLES THRU THE BASKET LID SQUARE TUBE STRUCTURE AS SHOWN IN DETAIL C. INSTALL THE D3953-15 GAS SPRING BRACKET & D3953-17 GAS SPRING SPACER USING 2X AN3C15A BOLT, 2X NAS1149C0332R WASHER & 2X MS21043-3 NUT AS SHOWN IN VIEW G-G.
  - 4) LOCATE THE D3953-5 GAS SPRING STUD AS SHOWN IN FIGURE 2. TRIM STEEL MESH LOCALLY AS REQUIRED. TOUCH UP PAINT PER ICA-D350-607 REV. 0 SECTION 5.1 ITEM 4. TRANSFER MARK AND DRILL 2X Ø0.194 HOLES THRU THE BASKET BASE SQUARE TUBE STRUCTURE AS SHOWN IN DETAIL D. INSTALL 2X AN3C11A BOLT, 2X NAS1149C0332R WASHER & 2X MS21043-3 NUT AS SHOWN IN VIEW H-H. INSTALL THE ROD END OF THE D3969-1 GAS SPRING ONTO THE D3953-3 GAS SPRING STUD USING 1X D3953-9 GAS SPRING WASHER, 1X NAS1149C0432R WASHER, 1X AN310-4 CASTELATTED NUT & 1X MS24665-212 COTTER PIN AS SHOWN IN VIEW H-H. INSTALL COTTER PIN PER MS33540 OR AC43.13 CHAPTER 7-127.
  - 5) INSERT THE D3953-3 GAS SPRING STUD INTO THE D3953-15 GAS SPRING BRACKET & INSERT THE D3953-7 GAS SPRING SPACER ONTO THE D3953-3 GAS SPRING STUD AS SHOWN IN VIEW G-G. RAISE THE BASKET LID AND INSTALL THE D3969-1 GAS SPRING ONTO THE D3953-3 GAS SPRING STUD AND FASTEN IN PLACE USING 1X D3953-9 GAS SPRING WASHER, 1X NAS1149C0432R WASHER, 1X AN310-4 CASTELATTED NUT & 1X MS24665-212 COTTER PIN AS SHOWN IN VIEW G-G. INSTALL COTTER PIN PER MS33540 OR AC43.13 CHAPTER 7-127.
- NOTE:** THE D3953-3 GAS SPRING STUD CAN BE HELD IN PLACE WITH A  $\frac{9}{16}$  OPEN END SPANNER / WRENCH.
- NOTE:** WITH THE LID IN THE CLOSED POSITION THE GAS SPRING SHOULD NOT BE FULLY COMPRESSED.
- 6) TEST THE INSTALLATION. IF INSTALLED PROPERLY THE GAS SPRING SHOULD ASSIST THE BASKET USER IN BOTH OPENING AND CLOSING THE BASKET LID.

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

APPROVED

BY:   
D. SHEPHERD (DE # 02)

DATE: 09.11.11  
CERT. NO.: SH94-14  
ISSUE NO.: 4

DESIGN	AJS	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED		DRAWING NO.	REV. C
MFG. APPR.	N/A	DSI 9473	SHEET 3 OF 8
APPROVED		TITLE	SCALE
DE APPR.		AUTOMATIC LID OPENER INSTL	NTS
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FOR D350-607-045 BASKETS REPLACE THE EXISTING D2332-041 PROP ARM ASSEMBLY AS FOLLOWS:

### **D350-607-145 AUTOMATIC LID OPENER INSTALLATION**

**NOTE:** THIS KIT MAY BE INSTALLED AT EITHER END OF THE BASKET. HOWEVER, THE PROP ARM MUST BE REMOVED IN EITHER CASE AS IT WILL INTERFERE WITH THE FUNCTION OF THE GAS SPRING.

- 1) REMOVE THE D2332-041 PROP ARM.
- 2) GRIND FLUSH THE D2327-3 SPACER BUSHING ON THE END OF THE BASKET WHERE THE LID OPENER IS BE INSTALLED AS SHOWN IN FIGURE 1 (IT IS PERMISSIBLE TO GRIND ALL 4 SPACERS FLUSH). TOUCH UP PAINT PER ICA-D350-607 REV. 0 SECTION 5.1 ITEM 4.
- 3) LOCATE THE D3953-1 GAS SPRING BRACKET AS SHOWN IN FIGURE 1. TRIM STEEL MESH LOCALLY AS REQUIRED. TOUCH UP PAINT PER ICA-D350-607 REV. 0 SECTION 5.1 ITEM 4. TRANSFER MARK AND DRILL 2X Ø0.194 HOLES THRU THE BASKET LID SQUARE TUBE STRUCTURE AS SHOWN IN DETAIL A. INSTALL THE D3953-1 GAS SPRING BRACKET & D3953-13 GAS SPRING SPACER USING 2X AN3C16A BOLT, 2X NAS1149C0332R WASHER & 2X MS21043-3 NUT AS SHOWN IN VIEW E-E.
- 4) LOCATE THE D3953-5 GAS SPRING STUD AS SHOWN IN FIGURE 1. TRIM STEEL MESH LOCALLY AS REQUIRED. TOUCH UP PAINT PER ICA-D350-607 REV. 0 SECTION 5.1 ITEM 4. TRANSFER MARK AND DRILL 2X Ø0.194 HOLES THRU THE BASKET BASE SQUARE TUBE STRUCTURE AS SHOWN IN DETAIL B. FASTEN D3953-5 IAW VIEW F-F USING 2X AN3C11A BOLT, 2X NAS1149C0332R WASHER & 2X MS21043-3 NUT.
- 5) INSTALL 1X D3953-11 GAS SPRING SPACER ONTO THE D3953-5 STUD AS SHOWN IN VIEW F-F. INSTALL THE LARGE END OF THE D3969-1 GAS SPRING SPRING ONTO THE D3953-5 GAS SPRING STUD AND FASTEN IN PLACE USING 1X D3953-9 GAS SPRING WASHER, 1X NAS1149C0432R WASHER, 1X AN310-4 CASTELATTED NUT & 1X MS24665-212 COTTER PIN AS SHOWN IN VIEW F-F. INSTALL COTTER PIN PER MS33540 OR AC43.13 CHAPTER 7-127.
- 6) INSERT THE D3953-3 GAS SPRING STUD INTO THE D3953-1 GAS SPRING BRACKET & INSERT THE D3953-7 GAS SPRING SPACER ONTO THE D3953-3 GAS SPRING AS SHOWN IN VIEW E-E. RAISE THE BASKET LID AND INSTALL THE ROD END OF THE D3969-1 GAS SPRING ONTO THE D3953-3 GAS SPRING STUD USING 1X D3953-9 GAS SPRING WASHER, 1X NAS1149C0432R WASHER, 1X AN310-4 CASTELATTED NUT & 1X MS24665-212 COTTER PIN AS SHOWN IN VIEW E-E. INSTALL COTTER PIN PER MS33540 OR AC43.13 CHAPTER 7-127.

**NOTE:** THE D3953-3 GAS SPRING STUD CAN BE HELD IN PLACE WITH A  $\frac{9}{16}$  OPEN END SPANNER / WRENCH.

**NOTE:** WITH THE LID IN THE CLOSED POSITION THE GAS SPRING SHOULD NOT BE FULLY COMPRESSED.

- 7) TEST THE INSTALLATION. IF INSTALLED PROPERLY THE GAS SPRING SHOULD ASSIST THE BASKET USER IN BOTH OPENING AND CLOSING THE BASKET LID.




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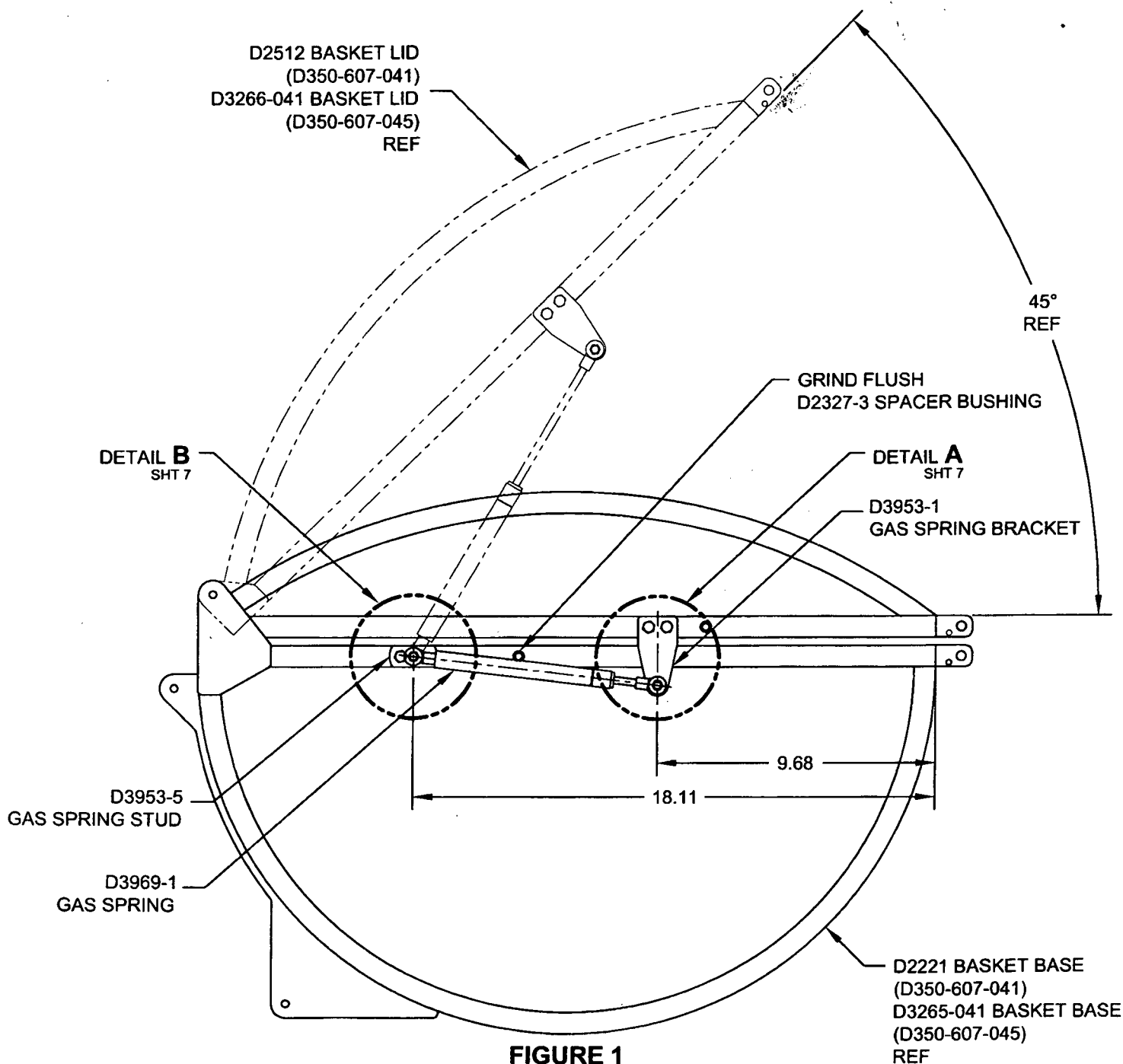
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AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

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BY:   
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**FIGURE 1**

**D350-607-141 AUTOMATIC LID OPENER INSTALLATION**

(BOTH ENDS)

**D350-607-145 AUTOMATIC LID OPENER INSTALLATION**

(1 END ONLY)

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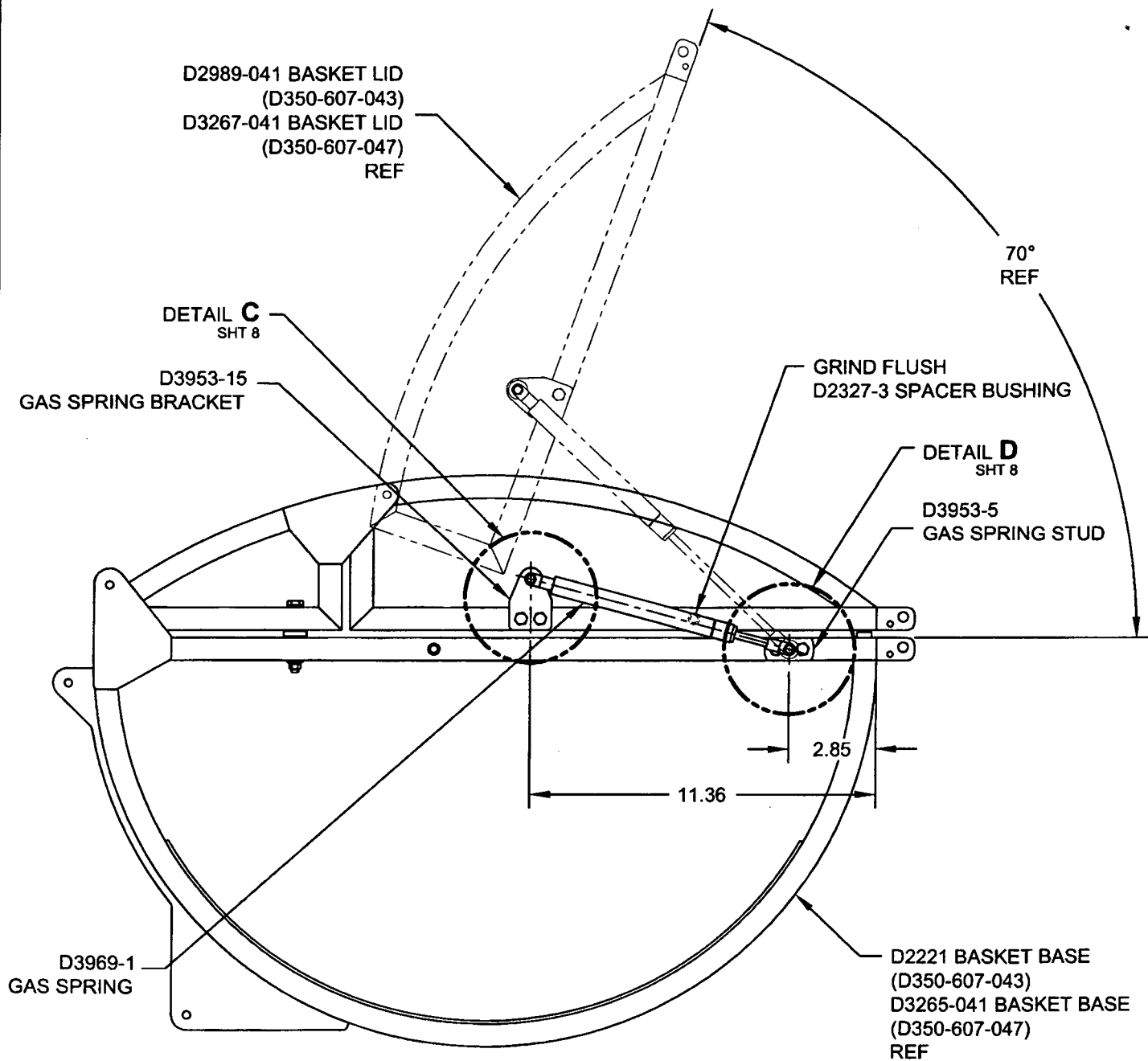
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*WLB*  
*60293*



**FIGURE 2**

**D350-607-143 AUTOMATIC LID OPENER INSTALLATION**  
(1 END ONLY)

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DAO # 01-O-01

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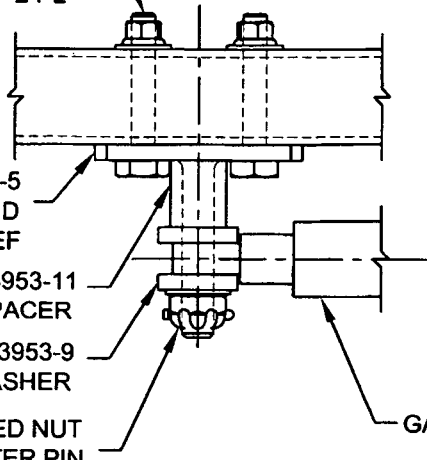
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*W/O  
61293*

AN3C11A BOLT  
NAS1149C0332R WASHER  
MS21043-3 NUT  
2 PL

D3953-5  
GAS SPRING STUD  
REF  
D3953-11  
GAS SPRING SPACER  
D3953-9  
GAS SPRING WASHER

AN310-4 CASTELLATED NUT  
MS24665-212 COTTER PIN  
NAS1149C0432R WASHER

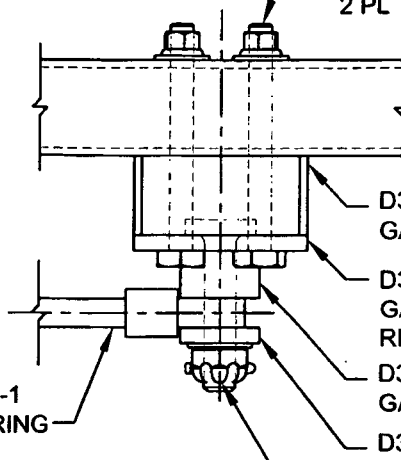


**VIEW F-F**

AN3C16A BOLT  
NAS1149C0332R WASHER  
MS21043-3 NUT  
2 PL

D3953-13  
GAS SPRING SPACER  
D3953-1  
GAS SPRING BRACKET  
REF  
D3953-7  
GAS SPRING SPACER  
D3953-9  
GAS SPRING WASHER  
D3953-3 GAS SPRING STUD  
AN310-4 CASTELLATED NUT  
MS24665-212 COTTER PIN  
NAS1149C0432R WASHER

D3969-1  
GAS SPRING  
REF

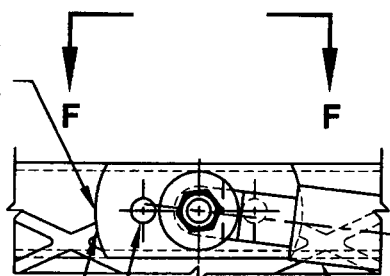


**VIEW E-E**

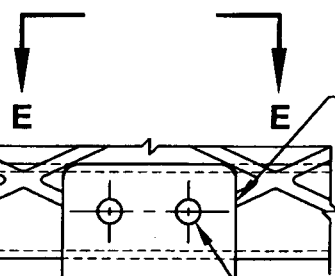
D3953-5  
GAS SPRING STUD  
REF

TRIM MESH LOCALLY  
AS REQUIRED

TRANSFER MARK AND  
DRILL Ø0.194 THRU  
2 PL



**DETAIL B**



TRIM MESH LOCALLY  
AS REQUIRED

TRANSFER MARK AND  
DRILL Ø0.194 THRU

D3953-1  
GAS SPRING BRACKET  
REF

**DETAIL A**

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AN3C15A BOLT  
NAS1149C0332R WASHER  
MS21043-3 NUT  
2 PL

D3953-17  
GAS SPRING SPACER

D3953-15  
GAS SPRING BRACKET  
REF

D3953-7  
GAS SPRING SPACER

D3953-9  
GAS SPRING WASHER

D3953-3 GAS SPRING STUD  
AN310-4 CASTELLATED NUT  
MS24665-212 COTTER PIN  
NAS1149C0432R WASHER

**VIEW G-G**

AN3C11A BOLT  
NAS1149C0332R WASHER  
MS21043-3 NUT  
2 PL

D3953-5  
GAS SPRING STUD  
REF

D3953-11  
GAS SPRING SPACER

D3953-9  
GAS SPRING WASHER

AN310-4 CASTELLATED NUT  
MS24665-212 COTTER PIN  
NAS1149C0432R WASHER

D3969-1  
GAS SPRING  
REF

**VIEW H-H**

G G

D3953-15  
GAS SPRING BRACKET  
REF

TRANSFER MARK AND  
DRILL Ø0.194 THRU

TRIM MESH LOCALLY  
AS REQUIRED

D3969-1  
GAS SPRING  
REF

**DETAIL C**

H H

D3953-5  
GAS SPRING STUD  
REF

TRIM MESH LOCALLY  
AS REQUIRED

TRANSFER MARK AND  
DRILL Ø0.194 THRU

**DETAIL D**

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AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

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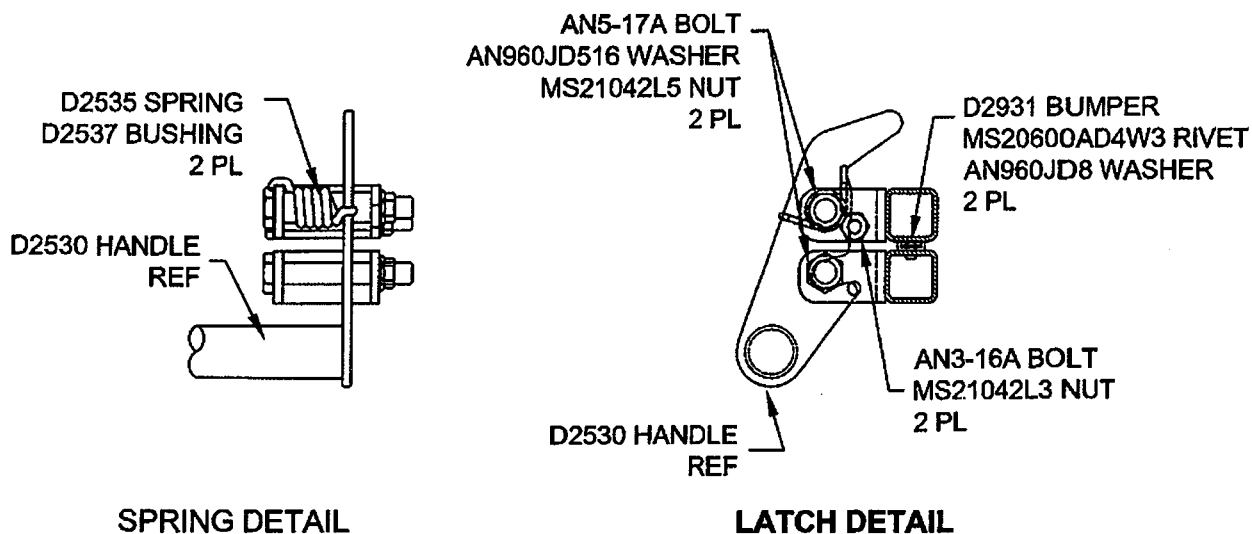
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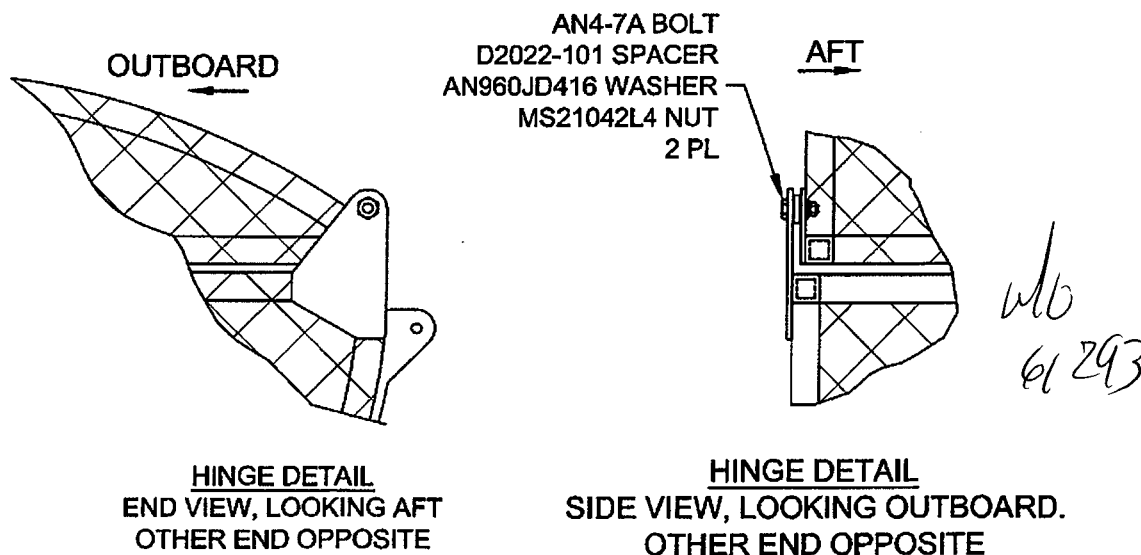
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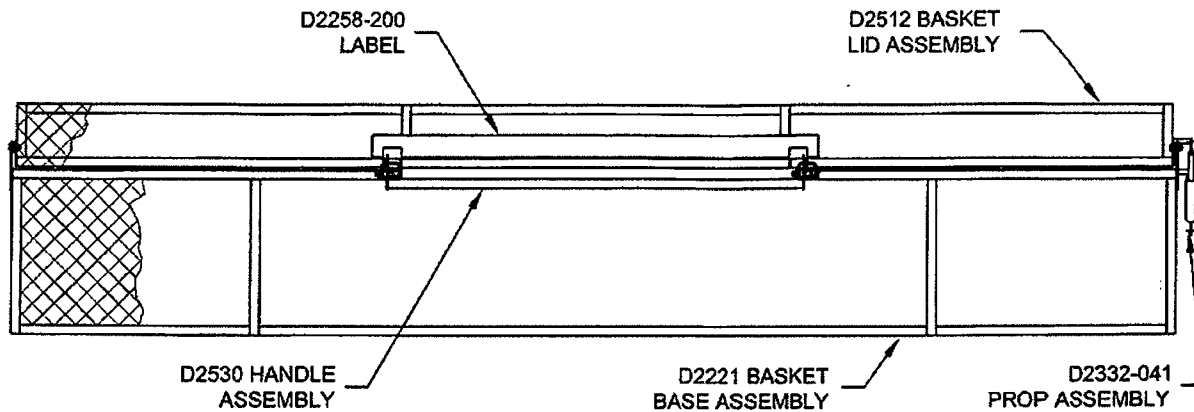


**DETAIL H:  
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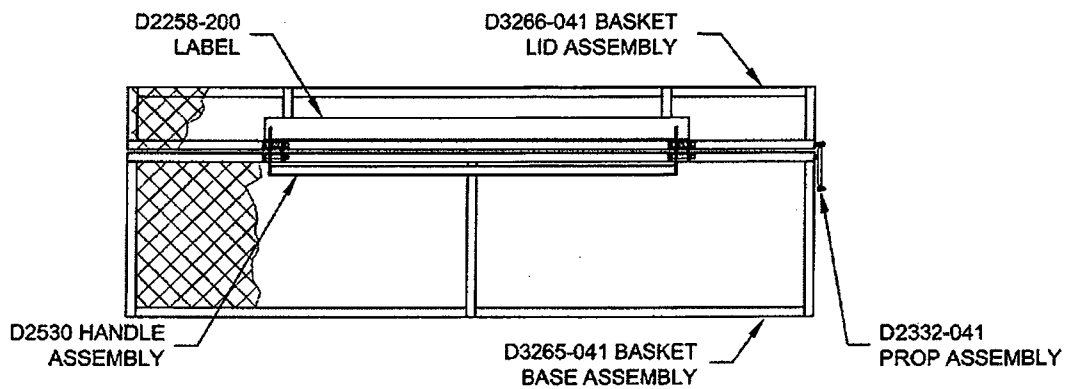
**Figure 7 – Basket Replacement Parts**

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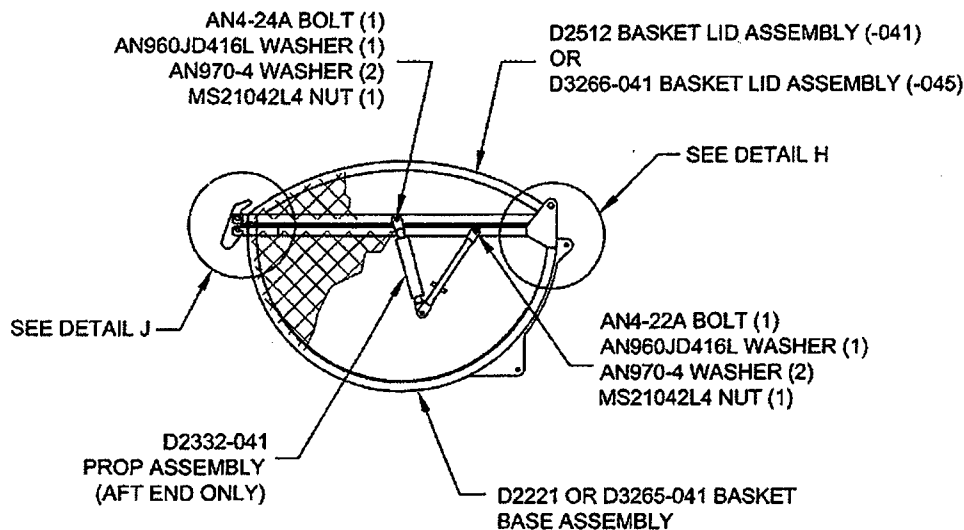
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Date: 10.03.10



**D350-607-041 HELI-UTILITY- BASKET™**



**D350-607-045 HELI-UTILITY- BASKET™**



**VIEW C-C  
PROP ARM DETAIL**

**Figure 5 – Basket Replacement Parts**

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